

● PRINTER RUSH ●
(PTO ASSISTANCE)

Application : 10/623403 Examiner : Connolly GAU : 2877

From: TW

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<input type="checkbox"/> DRW	<hr/>	
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[RUSH] MESSAGE:

For the claim submitted on 7-18-03, claim 21 is missing the word "claim" before the dependency number 14.

Please correct data

Thank You
TW

[XRUSH] RESPONSE: Typo corrected.

INITIALS: DGO

NOTE: This form will be included as part of the official USPTO record, with the Response document coded as XRUSH.

REV 10/04

1 17. The system of claim 16 wherein said processing unit includes a computer
2 that is configured to compute said spectral phase differences between said input
3 spectral peaks of said input optical signal using said output spectral peaks
4 produced by a shift of said phase of said electrical modulation signal.

1 18. The system of claim 14 wherein said optical signal generator includes a
2 modulation controller operatively connected to said phase modulator, said
3 modulation controller being configured to modulate the phase of an electrical
4 signal applied to said phase modulator to phase modulate said local oscillator
5 signal.

1 19. The system of claim 18 wherein said processing unit includes a phase
2 sensitive detector to measure amplitudes of different harmonics of the frequency
3 of said electrical signal.

1 20. The system of claim 19 wherein said processing unit further includes a
2 processor operatively connected to said phase sensitive detector, said processor
3 being configured to compute said spectral phase differences between said input
4 spectral peaks of said input optical signal using said amplitudes of even and odd
5 harmonics of said frequency of said electrical signal.

claim

1 21. The system of 14 wherein said phase modulator is configured to optical
2 modulate said local oscillator signal such that the frequency separation between
3 said central spectral peak and said side spectral peak is equal to an integer times
4 half of the frequency separation of said input spectral peaks of said input optical
5 signal offset by a reference frequency.

1 22. The system of claim 21 wherein said processing unit includes a phase
2 sensitive detector to compare said output spectral peaks with a reference signal
3 having said reference frequency to measure said spectral phase differences of said
4 input spectral peaks of said input optical signal.